

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 07/30/2018 11:17 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124208	-1	1.82	124235	1.82
Blue	F	SSC	125000	124957	-1	1.37	125692	1.39
Blue	E	FITC	15760	15377	-3	2.81	332	21.89
Blue	D	PE	25880	25411	-2	1.82	555	16.85
Blue	B	PerCP-Cy5-5	34075	34244	0	4.09	1042	22.75
Blue	A	PE-Cy7	22776	23008	1	7.18	561	44.85
Red	C	APC	42488	41304	-3	2.74	1561	13.82
Red	A	APC-Cy7	24478	23904	-3	2.76	821	13.23
Violet	B	V450	6304	6099	-4	3.93	341	18.59
Violet	A	V500	26005	25118	-4	3.48	589	13.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20615	8.52	605	8	N/A	N/A	Pass
Blue	F	SSC	57056	0.96	574	19	N/A	N/A	Pass
Blue	E	FITC	60	72.41	559	3	0.0170	228	Pass
Blue	D	PE	116	58.95	553	4	0.1317	336	Pass
Blue	B	PerCP-Cy5-5	202	53.54	653	6	0.0073	36	Pass
Blue	A	PE-Cy7	112	105.64	706	9	0.0089	13	Pass
Red	C	APC	367	28.60	604	4	0.0180	77	Pass
Red	A	APC-Cy7	203	29.31	575	4	0.0045	1099	Pass
Violet	B	V450	54	84.72	494	5	0.0229	2105	Pass
Violet	A	V500	89	45.12	511	5	0.0127	1014	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 07/30/2018 11:17 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.92	-31.28	0.97
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	16.24	13.60 - 20.40	N/A	N/A	30.96	31.63	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9640

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments